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How To Create An Employee Training Application In Excel



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by: Randy Austin

ABOUT THE AUTHOR

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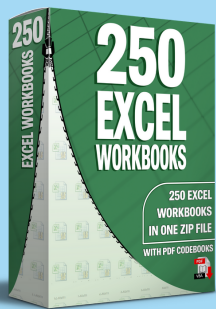
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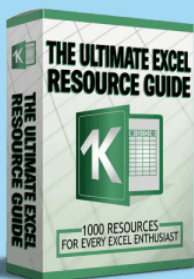
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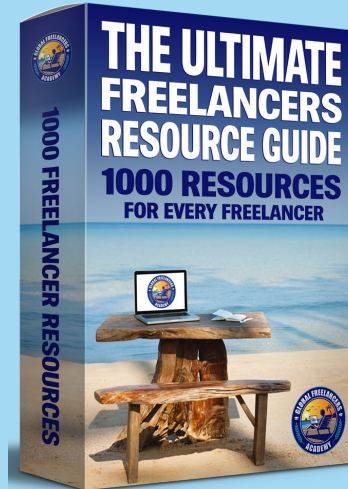
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```
1 Option Explicit
2 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
3     If Target.CountLarge > 1 Then Exit Sub
4     If Shapes("ColorPalette" ).Visible = True Then Shapes("ColorPalette" ).Visible =
5     msoFalse
6     'Show color palette
7     If Not Intersect(Target, Range("F8:F18" )) Is Nothing And Range("D" & Target.Row).
8     Value <> Empty Then
9         With Shapes("ColorPalette" )
10            .Left = Range("F" & Target.Row).Left
11            .Top = Range("F" & Target.Row + 1).Top
12            .Visible = msoCTrue
13        End With
14    End If
15 End Sub
```

1 Option Explicit

2

1 Option Explicit

2


```

1  Option Explicit
2
3  Private Sub Worksheet_Change(ByVal Target As Range)
4      'On Training Type Change
5      If Not Intersect(Target, Range("K3" )) Is Nothing And Range("K3" ).Value <> Empty
6          And Range("B1" ).Value = False Then
7              Dim TypeRow As Long
8              On Error Resume Next
9              TypeRow = Admin.Range("TrainTypes" ).Find(Target.Value, , xlValues, xlWhole).Row
10             On Error GoTo 0
11             If TypeRow <> 0 Then Range("K7" ).Value = Admin.Range("E" & TypeRow).Value 'Set
12             Default Training Days
13         End If
14     End Sub
15
16 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
17     If Target.CountLarge > 1 Then Exit Sub
18     If Shapes("DelAttBtn" ).Visible = True Then Shapes("DelAttBtn" ).Visible = msoFalse
19     'On recent training selection
20     If Not Intersect(Target, Range("D5:E9999" )) Is Nothing And Range("C" & Target.Row)
21     .Value <> Empty Then
22         Range("B8" ).Value = Target.Row 'Trigger DF Sel. Row
23         Range("B2" ).Value = Range("C" & Target.Row).Value ' Training ID
24         Train_Load
25     End If
26
27     'On Attachment selection
28     If Not Intersect(Target, Range("G29:I38" )) Is Nothing And Range("G" & Target.Row).
29     Value <> Empty Then
30         Range("B10" ).Value = Target.Row 'Trigger Conditional formatting
31         Attach_DisplayThumbnail
32         With Shapes("DelAttBtn" )
33             .Left = Range("J" & Target.Row).Left
34             .Top = Range("J" & Target.Row).Top
35             .ZOrder msoBringToFront
36             .Visible = msoCTrue
37         End With
38     End If
39 End Sub

```

1 Option Explicit

2

1 Option Explicit

2

```
1 Option Explicit
2
3 Sub Admin_SetTrainTypeColor()
4     ActiveCell.Interior.Color = Admin.Shapes(Application.Caller).Fill.ForeColor.RGB
5     Admin.Shapes("ColorPalette").Visible = msoFalse
6 End Sub
7
8 Sub BrowseForAttachFolder()
9     Dim JobFolder As FileDialog
10    Set JobFolder = Application.FileDialog(msoFileDialogFolderPicker)
11    With JobFolder
12        .Title = "Browse For Training Attachments Folder"
13        .AllowMultiSelect = False
14        If .Show <> -1 Then GoTo NoSelection
15        Admin.Range("D3").Value = .SelectedItems(1)
16    End With
17    NoSelection:
18 End Sub
19
20 Sub BrowseForEmpPicFolder()
21     Dim JobFolder As FileDialog
22     Set JobFolder = Application.FileDialog(msoFileDialogFolderPicker)
23     With JobFolder
24         .Title = "Browse For Employee Pictures Folder"
25         .AllowMultiSelect = False
26         If .Show <> -1 Then GoTo NoSelection
27         Admin.Range("D4").Value = .SelectedItems(1)
28     End With
29     NoSelection:
30 End Sub
```

```

1 Option Explicit
2 Dim AttachFile As FileDialog, AttFolder As String, FilePath As String, FileName As String
3 Dim TrainID As String, FileType As String, AttName As String
4 Dim LastRow As Long, LastResultRow As Long, AttachRow As Long, AttDBRow As Long, ResultRow As Long
5
6 Sub Attach_Add()
7     With EmpTrain
8         If .Range("B3").Value = Empty Then 'Save training before adding attachments
9             MsgBox "Please save this training before adding attachments"
10            Exit Sub
11        End If
12
13        If [AttachFolder] = "" Then
14            MsgBox "Please select an attachment folder in the Admin screen"
15            Exit Sub
16        End If
17
18        TrainID = .Range("B2").Value 'Training ID
19        Set AttachFile = Application.FileDialog(msoFileDialogFilePicker)
20        With AttachFile
21            .Title = "Select file to attach"
22            .Filters.Add "All Files", "*.*"
23            If .Show <> -1 Then GoTo NoSelection
24            FilePath = .SelectedItems(1) 'Get Full File Path
25            FileName = Dir(FilePath) 'Get File Name
26            FileType = Right(FileName, Len(FileName) - InStrRev(FileName, ".")) 'Get File Type (File Extention)
27            If FilePath = [AttachFolder] & "\" & FileName Then GoTo FileInDest
28            FileCopy FilePath, [AttachFolder] & "\" & FileName 'Copy To attachments folder
29            FileInDest:
30        End With
31        AttName = InputBox("Please enter an attachment name for this file", "Attachment Name")
32        If AttName = "" Then Exit Sub
33        With AttachDB
34            AttDBRow = .Range("A9999").End(xlUp).Row + 1 'First Avail. Attachment Row
35            .Range("A" & AttDBRow).Value = TrainID 'Training ID
36            .Range("B" & AttDBRow).Value = AttName 'Attachment Name
37            .Range("C" & AttDBRow).Value = FileName 'File Name
38            .Range("D" & AttDBRow).Value = FileType 'File Type
39            .Range("E" & AttDBRow).Value = "=Row()" 'DB Row
40        End With
41
42        Attach_Refresh 'Refresh List To Display New Attachment
43        .Range("G29").Select 'Select First Item to Display Thumbnail (if any)
44        'Attach_DisplayThumbnail
45        NoSelection:
46    End With
47 End Sub
48
49 Sub Attach_Delete()
50     If MsgBox("Are you sure you want to delete this attachment?", vbYesNo, "Delete Attachment") = vbNo Then Exit Sub
51     With EmpTrain
52         If .Range("B10").Value = Empty Then
53             MsgBox "Please select an attachment to delete"
54             Exit Sub

```

1 2 3

```

1 2 3
55     End If
56     AttachRow = .Range("B10" ).Value 'Selected Row
57     If EmpTrain.Range("G" & AttachRow).Value = Empty Then
58         MsgBox "Please select an Attachment to delete first"
59         Exit Sub
60     End If
61
62     On Error Resume Next
63     EmpTrain.Shapes("AttachThumb" ).Delete 'Delete Thumbnail if any
64     On Error GoTo 0
65
66     AttDBRow = .Range("F" & AttachRow).Value
67     AttachDB.Range(AttDBRow & ":" & AttDBRow).EntireRow.Delete
68     Attach_Refresh
69     .Shapes("DelAttBtn" ).Visible = msoFalse
70     EmpTrain.Range("G29" ).Select
71     Attach_DisplayThumbnail
72 End With
73 End Sub
74
75
76
77
78 Sub Attach_DisplayThumbnail()
79     With EmpTrain
80         On Error Resume Next
81         .Shapes("AttachThumb" ).Delete 'Clear any existing attachment file
82         On Error GoTo 0
83         If .Range("B10" ).Value = Empty Then Exit Sub 'Exit on No AttachmentRow
84         AttachRow = .Range("B10" ).Value 'Set Attachment Row
85         FileName = .Range("H" & AttachRow).Value 'File Name
86         FileType = LCase(.Range("I" & AttachRow).Value)
87         FilePath = [AttachFolder] & "\" & FileName 'Full Attachment File Path
88         If FileType = "jpg" Or FileType = "png" Or FileType = "gif" Or FileType =
            "jpeg" Or FileType = "bmp" Then 'Picture Types
89             On Error GoTo NoAttach
90             If Dir(FilePath, vbDirectory) = "" Then Exit Sub
91             .Pictures.Insert(FilePath).Name = "AttachThumb"
92             With .Shapes("AttachThumb" )
93                 .Visible = msoCTrue
94                 .LockAspectRatio = True
95                 If .Width > .Height Then .Width = 120 Else: .Height = 110
96                 .Left = EmpTrain.Range("J29" ).Left + (EmpTrain.Range("J:K" ).Width - .
                    Width) / 2
97                 .Top = EmpTrain.Range("J29" ).Top + (EmpTrain.Range("29:38" ).Height - .
                    Height) / 2
98             End With
99         End If
100    End With
101    NoAttach:
102 End Sub
103 Sub Attach_Open()
104     With EmpTrain
105         If .Range("B10" ).Value = Empty Then
106             MsgBox "Please select an attachment to open"
107             Exit Sub
108         End If
109         AttachRow = .Range("B10" ).Value 'Selected Attachment Row
110         FilePath = [AttachFolder] & "\" & .Range("H" & AttachRow).Value 'Attachment
            File Path

```

1 2

```
1 2
111 If Dir(FilePath) = "" Or FilePath = "" Then Exit Sub
112 ThisWorkbook.FollowHyperlink (FilePath) 'Open Selected File
113 End With
114 End Sub
115
116 Sub Attach_Refresh()
117 If EmpTrain.Range("B2" ).Value = "" Then Exit Sub 'Training ID
118 EmpTrain.Range("B10,F29:I38" ).ClearContents 'Clear Old Attachemets fields
119 On Error Resume Next
120 EmpTrain.Shapes("AttachThumb" ).Delete 'Delete any existing attachment
121 On Error GoTo 0
122 AttachRow = 29 'Set Starting Attachments Row
123 With AttachDB 'With Attachments sheet
124 LastRow = .Range("A9999" ).End(xlUp).Row
125 If LastRow < 4 Then Exit Sub
126 .Range("A3:E" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
127 "K2:K3" ), CopyToRange:=.Range("N2:Q2" ), Unique:=True
128 LastResultRow = .Range("N9999" ).End(xlUp).Row 'Last Filtered Row Results
129 If LastResultRow < 3 Then Exit Sub 'If no Attach. found then attachments
130 For ResultRow = LastResultRow To 3 Step -1 'Use Reverse For next to put most
131 recent Attach. First
132 EmpTrain.Range("F" & AttachRow & ":I" & AttachRow).Value = .Range("N" &
133 ResultRow & ":Q" & ResultRow).Value 'Copy Over Attachment Info
134 AttachRow = AttachRow + 1
135 If AttachRow = 39 Then Exit Sub 'Exit If Table is Full
136 Next ResultRow
137 End With
138 End Sub
```

```
1 Option Explicit
2
3 Sub Email_Training()
4   Dim EmailTo As String, Subj As String, Mesg As String, SendType As String, CCTo As String
5   Dim VarRow As Long
6   Dim OutApp As Object, OutMail As Object
7   With Admin
8     SendType = .Range("C23").Value
9     Select Case SendType
10      Case Is = "Manager & Employee"
11        EmailTo = EmpTrain.Range("B13").Value 'Employee Email
12        CCTo = EmpTrain.Range("B14").Value 'Mgr Email
13      Case Is = "Employee Only"
14        EmailTo = EmpTrain.Range("B13").Value 'Employee Email
15        CCTo = "" 'Mgr Email
16      Case Is = "Manager Only"
17        EmailTo = EmpTrain.Range("B14").Value 'Mgr Email
18        CCTo = "" 'Employee Email
19    End Select
20
21    Subj = .Range("B25").Value 'Subject
22    Mesg = .Range("B27").Value 'Email Message
23    Set OutApp = CreateObject("Outlook.Application")
24
25    For VarRow = 25 To 31
26      Subj = Replace(Subj, .Range("H" & VarRow).Value, .Range("I" & VarRow).Value)
27      Mesg = Replace(Mesg, .Range("H" & VarRow).Value, .Range("I" & VarRow).Value)
28    Next VarRow
29    Set OutMail = OutApp.CreateItem(0)
30    With OutMail
31      .To = EmailTo
32      .CC = CCTo
33      .Subject = Subj
34      .Body = Mesg
35      .Display 'To send use .Send
36    End With
37    On Error GoTo 0
38    Set OutMail = Nothing
39  End With
40 End Sub
```



```
1 Option Explicit
2
3 Sub CreateRecurringTraining()
4     Dim StartDt As Date, Untildt As Date, TrainDt As Date
5     Dim FreqQty As Long, TrainNumb As Long
6     Dim Freq As String
7     With EmpTrain
8         If .Range("B3").Value = Empty Then
9             MsgBox "Please make sure to save the training before creating Recurring
10                trainings"
11             Exit Sub
12         End If
13         If .Range("B12").Value <> 4 Then
14             MsgBox "Please make sure to fill in all 4 fields to make this training
15                recurring"
16             Exit Sub
17         End If
18         If IsNumeric(.Range("H23").Value) = False Or IsDate(.Range("H24").Value) =
19             False Or IsDate(.Range("K24").Value) = False Then
20             MsgBox "Please make sure the 'Every' field is a whole number and Start On and
21                Until fields are dates"
22             Exit Sub
23         End If
24
25         Application.ScreenUpdating = False
26         Application.EnableEvents = False
27         FreqQty = .Range("H23").Value 'Frequency Qty
28         Freq = .Range("K23").Value 'Frequency
29         StartDt = .Range("H24").Value 'Start Date
30         Untildt = .Range("K24").Value 'Until date
31         TrainDt = StartDt 'Set Initial Training Date
32         Do While TrainDt <= Untildt
33             .Range("B2").ClearContents 'Clear Existing Training ID (To Default to new
34             one)
35             .Range("H7").Value = TrainDt 'Set Start Date
36             Train_SaveUpdate 'Save
37             TrainNumb = TrainNumb + 1 'Increment Training Number
38             Select Case Freq
39                 Case Is = "Weeks"
40                     TrainDt = DateAdd("ww", FreqQty, TrainDt) 'Update Training Date
41                 Case Is = "Months"
42                     TrainDt = DateAdd("m", FreqQty, TrainDt) 'Update Training Date
43                 Case Is = "Quarters"
44                     TrainDt = DateAdd("q", FreqQty, TrainDt) 'Update Training Date
45                 Case Is = "Years"
46                     TrainDt = DateAdd("yyyy", FreqQty, TrainDt) 'Update Training Date
47             End Select
48         Loop
49         Application.ScreenUpdating = True
50         Application.EnableEvents = True
51         Schedule_Refresh
52         MsgBox TrainNumb & " Employee Trainings have been created"
53     End With
54 End Sub
```

```

1 Option Explicit
2 Dim TrainShp As Shape
3 Dim LastRow As Long, ResultRow As Long, LastResultRow As Long, TrainDays As Long
4 Dim ScRow As Long, ScStartCol As Long, ScEndCol As Long, TypeRow As Long
5 Dim TrainID As String, TrainName As String, EmpName As String, TrainType As String
6 Dim PicPath As String, EmpPicFolder As String, EmpPic As String, TypeColor As String
7 Dim ScStartDt As Date, ScEndDt As Date, StartDt As Date, EndDt As Date
8
9 Sub Sched_NextMonth()
10     With EmpTrain
11         If .Range("B5").Value = 12 Then 'Increase Year by 1, and set to January
12             If .Range("B7").Value = 7 Then
13                 MsgBox "You are on the last available year. Please update the years in the
14                     Admin screen"
15                 Exit Sub
16             End If
17             .Range("B7").Value = .Range("B7").Value + 1 'Increase year
18             .Range("B5").Value = 1 'Set to January
19         Else: 'Non December
20             .Range("B5").Value = .Range("B5").Value + 1 'Increase Month
21         End If
22     End With
23     Schedule_Refresh 'Refresh Schedule
24 End Sub
25
26 Sub Sched_PrevMoth()
27     With EmpTrain
28         If .Range("B5").Value = 1 Then 'Reduce Year by 1, and set to December
29             If .Range("B7").Value = 1 Then
30                 MsgBox "You are on the first available year"
31                 Exit Sub
32             End If
33             .Range("B7").Value = .Range("B7").Value - 1 'Reduce year
34             .Range("B5").Value = 12 'Set to December
35         Else: 'Non -January
36             .Range("B5").Value = .Range("B5").Value - 1 'Reduce Month
37         End If
38     End With
39     Schedule_Refresh 'Refresh Schedule
40 End Sub
41 Sub Sched_ThisMonth()
42     With EmpTrain
43         .Range("B5").Value = Month(Date) 'Set Current Month
44         On Error Resume Next
45         .Range("B7").Value = Admin.Range("Years").Find(Year(Date), , xlValues, xlWhole)
46         .Row - 7
47         On Error GoTo 0
48     End With
49     Schedule_Refresh 'Refresh Schedule
50 End Sub
51 Sub Sched_TrainingSelect()
52     TrainID = Replace(Application.Caller, Left(Application.Caller, 8), "")
53     EmpTrain.Range("B2").Value = TrainID
54     Train_Load
55 End Sub
56
57 Sub Schedule_Refresh()
58     With EmpTrain

```

```

1 2
59 'Clear & Resort Employees (Updated)
60 .Range("M4:M999" ).ClearContents
61 With Employees
62     LastRow = .Range("A99999" ).End(xlUp).Row
63     If LastRow < 4 Then Exit Sub
64     .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
65         "S2:S3" ), CopyToRange:=.Range("U2" ), Unique:=True
66     LastResultRow = .Range("U99999" ).End(xlUp).Row
67     If LastResultRow < 3 Then Exit Sub
68     EmpTrain.Range("M4:M" & LastResultRow + 1).Value = .Range("U3:U" &
69         LastResultRow).Value 'Bring Over Filtered Employees
70 End With
71
72 'Clear all Schedule Shapes
73 For Each TrainShp In .Shapes
74     On Error Resume Next
75     If InStr(TrainShp.Name, "EmpTrain" ) > 0 Then TrainShp.Delete
76     If InStr(TrainShp.Name, "EmpPic" ) > 0 Then TrainShp.Delete
77     On Error GoTo 0
78 Next TrainShp
79 ScStartDt = .Range("N3" ).Value 'Schedule Start Date (1st Day of Month)
80 ScEndDt = .Range("B9" ).Value 'Schedule End Date (Last Day of Month)
81 EmpPicFolder = [PictureFolder] 'Employee Picture folder
82 End With
83
84 With TrainDB
85     .Range("AB3:A09999" ).ClearContents 'Clear Prev. Results
86     LastRow = .Range("A99999" ).End(xlUp).Row
87     If LastRow < 4 Then Exit Sub
88     .Range("A3:M" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
89         "V2:Y5" ), CopyToRange:=.Range("AB2:AN2" ), Unique:=True
90     LastResultRow = .Range("AB99999" ).End(xlUp).Row
91     If LastResultRow < 3 Then Exit Sub
92     .Range("A03:A0" & LastResultRow).Formula = .Range("A01" ).Formula 'Employee
93     Pictures
94     For ResultRow = 3 To LastResultRow
95         'Get Variables
96         TrainID = .Range("AB" & ResultRow).Value 'Train ID
97         TrainName = .Range("AC" & ResultRow).Value 'Train Name
98         TrainType = .Range("AD" & ResultRow).Value 'Training Status
99         EmpName = .Range("AE" & ResultRow).Value 'Employee Name
100        StartDt = .Range("AG" & ResultRow).Value 'Start Date
101        TrainDays = .Range("AH" & ResultRow).Value 'Training Days
102        EndDt = .Range("AN" & ResultRow).Value 'End Date
103        EmpPic = .Range("AO" & ResultRow).Value 'Employee Picture
104
105        'Set Starting Column
106        If StartDt <= ScStartDt Then 'Set To first Column
107            ScStartCol = 14
108        Else 'Starts Within the Month
109            ScStartCol = 14 + (StartDt - ScStartDt) 'Set Start Column
110        End If
111
112        'Set Ending Column
113        If EndDt >= ScEndDt Then 'End on or after last day of the month - Set To
114            last column
115            ScEndCol = 14 + (ScEndDt - ScStartDt)
116        Else 'Ends Within the Month
117            ScEndCol = 14 + (EndDt - ScStartDt) 'Set End Column
118        End If
119    End For
120 End With
1 2 3

```

```

114
115     'Determine Train Type Color
116     On Error Resume Next
117     TypeRow = Admin.Range("TrainTypes" ).Find(TrainType, , xlValues, xlWhole).Row
118     On Error GoTo 0
119     If TypeRow <> 0 Then TypeColor = Admin.Range("F" & TypeRow).Interior.Color
120     'Get Interior cell color
121
122     'Determine Scheduld Row
123     On Error Resume Next
124     ScRow = EmpTrain.Range("M4:M999" ).Find(EmpName, , xlValues, xlWhole).Row
125     'Get Employee Schedule Row
126     On Error GoTo 0
127     If ScRow = 0 Or EmpName = "" Then GoTo NextTrain
128
129     With EmpTrain
130         'Create Training Shape
131         .Shapes("TrainSample" ).Duplicate.Name = "EmpTrain" & TrainID
132         With .Shapes("EmpTrain" & TrainID)
133             If TypeColor <> "" Then .Fill.ForeColor.RGB = TypeColor 'Set Shape
134             Training Color
135             .Left = EmpTrain.Cells(ScRow, ScStartCol).Left
136             .Top = EmpTrain.Cells(ScRow, ScStartCol).Top
137             .Width = Range(EmpTrain.Cells(ScRow, ScStartCol), EmpTrain.Cells(ScRow,
138             ScEndCol)).Width
139             .TextFrame2.TextRange.Text = TrainName 'Set Train Name
140         End With
141
142         'Set Employee or Default Picture
143         .Shapes("PicSample" ).Duplicate.Name = "EmplPict" & TrainID
144         PicPath = EmpPicFolder & "\" & EmpPic 'Full Picture File Path
145         With .Shapes("EmplPict" & TrainID)
146             .Left = EmpTrain.Cells(ScRow, ScStartCol).Left
147             .Top = EmpTrain.Cells(ScRow, ScStartCol).Top
148             If Dir(PicPath, vbDirectory) <> "" And EmpPic <> "" Then .Fill.
149             UserPicture (PicPath)
150         End With
151     End With
152 NextTrain:
153 Next ResultRow
154 End With
155 End Sub

```

```

1 Option Explicit
2
3 Dim LastRow As Long, LastResultRow As Long, TrainRow As Long, TrainCol As Long, SelRow
  As Long
4
5
6 Sub Train_Delete()
7     With EmpTrain
8         If MsgBox("Are you sure you want to delete this Training?" , vbYesNo, "Delete
          Training" ) = vbNo Then Exit Sub
9         If .Range("B3" ).Value = Empty Then GoTo NotSaved
10        TrainRow = .Range("B3" ).Value 'Train Row
11        LastRow = TrainDB.Range("A99999" ).End(xlUp).Row
12        TrainDB.Range("A" & TrainRow & ":M" & TrainRow).ClearContents 'Clear Range
13        If LastRow < 4 Then GoTo NotSaved 'No Sorting on a single record
14        With TrainDB.Sort
15            .SortFields.Clear
16            .SortFields.Add Key:=TrainDB.Range("A3" ), SortOn:=xlSortOnValues, Order:=
              xlAscending, DataOption:=xlSortNormal 'Sort
17            .SetRange TrainDB.Range("A4:M" & LastRow) 'Set Range
18            .Apply 'Apply Sort
19        End With
20        NotSaved:
21        Train_New 'Run macro to create new Training
22        Train_ListTrainings 'Update Training list
23        Schedule_Refresh
24    End With
25 End Sub
26
27
28
29 Sub Train_ListTrainings()
30     EmpTrain.Range("B8,C5:E9999" ).ClearContents 'Clear existing Trainings
31     With TrainDB
32         LastRow = .Range("A99999" ).End(xlUp).Row 'Last Row of data
33         If LastRow < 4 Then Exit Sub
34         On Error Resume Next
35         .Names("Criteria" ).Delete 'Delete any existing Criteria
36         On Error GoTo 0
37         .Range("A3:R" & LastRow).AdvancedFilter xlFilterCopy, , CopyToRange:=.Range(
              "Q2:S2" ), Unique:=True
38         LastResultRow = .Range("Q99999" ).End(xlUp).Row 'Last Result Row
39         If LastResultRow < 3 Then Exit Sub
40         If LastResultRow < 4 Then GoTo SkipSort
41         With .Sort
42             .SortFields.Clear
43             .SortFields.Add Key:=TrainDB.Range("Q3" ), SortOn:=xlSortOnValues, Order:=
              xlDescending, DataOption:=xlSortNormal 'Sort
44             .SetRange TrainDB.Range("Q3:S" & LastResultRow) 'Set Range
45             .Apply 'Apply Sort
46         End With
47         SkipSort:
48
49         EmpTrain.Range("C5:E" & LastResultRow + 2).Value = .Range("Q3:S" &
              LastResultRow).Value 'Bring Over Trainings
50         On Error Resume Next
51         SelRow = EmpTrain.Range("C5:C9999" ).Find(EmpTrain.Range("B2" ).Value, ,
              xlFormulas, xlWhole).Row
52         If SelRow <> 0 And EmpTrain.Range("B2" ).Value <> Empty Then EmpTrain.Range("B8"
              ).Value = SelRow 'Set Selected Row

```

1 2

```

53 | 1 2 On Error GoTo 0
54 | End With
55 | End Sub
56 |
57 | Sub Train_Load()
58 | With EmpTrain
59 | If .Range("B3" ).Value = Empty Then
60 |     MsgBox "Please select a correct Training to load"
61 |     Exit Sub
62 | End If
63 | TrainRow = .Range("B3" ).Value 'Train Row
64 | .Range("B1" ).Value = True 'Set Training Load To True
65 | For TrainCol = 2 To 12
66 |     .Range(TrainDB.Cells(1, TrainCol).Value).Value = TrainDB.Cells(TrainRow,
67 |         TrainCol).Value 'Bring over data
68 | Next TrainCol
69 | .Range("B1" ).Value = False 'Set Training Load To Falses
70 | End With
71 | Attach_Refresh 'Load Attachments, if any
72 | End Sub
73 |
74 | Sub Train_New()
75 | EmpTrain.Range("B2,B8,B10,H3,K3,H5,K5,H7,K7,H9,K9,H11,K11,G14:K20,F29:I38,B10" ).
76 | ClearContents 'Clear Train Fields
77 | On Error Resume Next
78 | EmpTrain.Shapes("AttachThumb" ).Delete
79 | On Error GoTo 0
80 | End Sub
81 |
82 | Sub Train_SaveUpdate()
83 | With EmpTrain
84 | If .Range("H3" ).Value = Empty Or .Range("K3" ).Value = Empty Then
85 |     MsgBox "Please make sure to enter a Training Name and Employee Name before
86 |     saving"
87 |     Exit Sub
88 | End If
89 | If .Range("B3" ).Value = Empty Then 'New Train
90 |     TrainRow = TrainDB.Range("A99999" ).End(xlUp).Row + 1 'First Avail Row
91 |     .Range("B2" ).Value = .Range("B4" ).Value 'New Train. ID
92 |     TrainDB.Range("A" & TrainRow).Value = .Range("B2" ).Value 'Set Train ID
93 | Else 'Existing Train
94 |     TrainRow = .Range("B3" ).Value 'Existing Train Row
95 | End If
96 | For TrainCol = 2 To 12
97 |     TrainDB.Cells(TrainRow, TrainCol).Value = .Range(TrainDB.Cells(1, TrainCol).
98 |         Value).Value 'Save/Update Data
99 | Next TrainCol
100 | TrainDB.Range("M" & TrainRow).Value = TrainDB.Range("F" & TrainRow).Value +
101 | TrainDB.Range("G" & TrainRow).Value 'End Date
102 | Train_ListTrainings 'Update Training list
103 | If Application.Caller = "SaveBtn" Then Schedule_Refresh 'Update Schedule
104 | Application.ScreenUpdating = True
105 | On Error Resume Next
106 | If Application.Caller = "SaveBtn" Then MsgBox "Training has been saved"
107 | On Error GoTo 0
108 | End With
109 | End Sub

```

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Thank You!

This source code was created and made available to help you gain a better understanding of how VBA is used to create amazing Excel-based applications.

Thank you so much for your continued shares, likes and support. It really helps.



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